Completing the Square

Honors Geometry

Due Date: Tuesday, May. 12th, 2015

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

Complete the square for any **SIX** problems below:



Review:

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| --- | --- | --- | --- |
| 1. Which of the following is the quadratic equation with solutions x = 12 and x = –1?   1. x2 – 11x + 12 2. x2 + 13x – 12 3. x2 – 13x + 12 4. x2 – 11x – 12 5. x2 – 13x – 12 | 2. What quadratic equation has a solution set of x = 8 and x = –9? | | 3. Which of the following quadratic equations have a solution set of x = {6, 7}?   1. x2 – x – 42 2. x2 – x + 42 3. x2 – 13x – 42 4. x2 + 13x + 42 5. x2 – 13x + 42 |
| 4. Solve the equation by taking square roots: | | 5. Find the ***sum*** of the solutions of the equation by factoring: | |